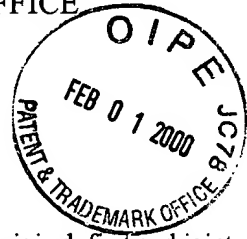


## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent Application

As a named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

4-Aminopyrrolopyrimidines as Kinase Inhibitors

the specification of which (check one)

☐ is attached hereto.

☒ was filed on September 17, 1999 as United States Application

Number or PCT International Application No. 09/399,083

and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is known by me to be material to patentability as defined in 37 C.F.R. §1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

<u>Prior Foreign Application(s)</u>			Priority Not Claimed	Certified Copy Filed?	
				YES	NO
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

60/100,954  
(Application Number)

September 18, 1998  
(Filing Date)

60/100,834  
(Application Number)

September 18, 1998  
(Filing Date)

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information known by me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

<u>09/042,702</u> (Application Serial No.)	<u>March 17, 1998</u> (Filing date)	<u>pending</u> (Status: patented, pending, abandoned)
<u>                    </u> (Application Serial No.)	<u>                    </u> (Filing date)	<u>                    </u> (Status: patented, pending, abandoned)
<u>                    </u> (Application Serial No.)	<u>                    </u> (Filing date)	<u>                    </u> (Status: patented, pending, abandoned)
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As a named inventor, I hereby appoint the attorneys and/or agents associated with  
**Hamilton, Brook, Smith & Reynolds, P.C., Two Militia Drive, Lexington, Massachusetts 02421-4799**  
**Customer No. 21005,**

and John D. Conway Registration Number: 39,105,

to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Please send correspondence to: ☐ Customer No. Noted Above  
or  
☒ Address below:

**Richard W. Wagner, Esq.**  
**HAMILTON, BROOK, SMITH & REYNOLDS, P.C.**  
**Two Militia Drive**  
**Lexington, MA 02421-4799**

Direct telephone calls to: Richard W. Wagner, Esq. Telephone No.: 781-861-6240

Direct facsimiles to: Richard W. Wagner, Esq. Facsimile No.: 781-861-9540

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

-----  
Full name of sole

or first inventor David Calderwood

Inventor's Signature David Calderwood Date 12/15/99

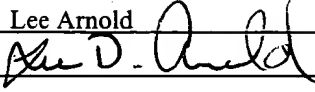
Residence 4 McCarthy Circle

Framingham, Massachusetts 01702

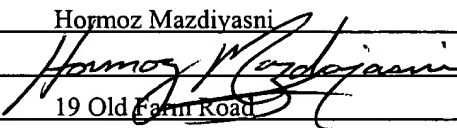
Citizenship Great Britain

Post Office Address Same  
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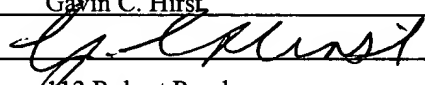
Full name of second joint

inventor, if any Lee Arnold  
Inventor's Signature  Date 12/16/99  
Residence 216 Ruggles Street  
Westboro, Massachusetts 01581  
Citizenship Canada  
Post Office Address Same

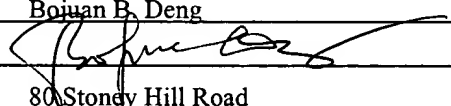
Full name of third joint

inventor, if any Hormoz Mazdiyasni  
Inventor's Signature  Date 12/16/99  
Residence 19 Old Farm Road  
Douglas, Massachusetts 01516  
Citizenship United States  
Post Office Address Same

Full name of fourth joint

inventor, if any Gavin C. Hirst  
Inventor's Signature  Date 12/16/99  
Residence 112 Robert Road  
Marlboro, Massachusetts 01752  
Citizenship Great Britain  
Post Office Address Same

Full name of fifth joint

inventor, if any Bojuan B. Deng  
Inventor's Signature  Date 12/17/99  
Residence 80 Stony Hill Road  
Shrewsbury, MA 01545  
Citizenship Peoples Republic of China  
Post Office Address Same

Full name of sixth joint

inventor, if any David N. Johnston

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Pennyfoot Street

Nottingham NG1 1GF, England

Citizenship Great Britain

Post Office Address Same

Full name of seventh joint

inventor, if any Paul Rafferty

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Pennyfoot Street

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Citizenship Great Britain

Post Office Address Same

Full name of eighth joint

inventor, if any Gerald B. Tometski

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Pennyfoot Street

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Citizenship Great Britain

Post Office Address Same

Full name of eighth joint

inventor, if any Helen L. Twigger

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Pennyfoot Street

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Citizenship Great Britain

Post Office Address Same

Full name of eighth joint

inventor, if any Rainer Munschauer

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Zepplinstr. 5

67435 Neustadt, Germany

Citizenship Germany

Post Office Address Same

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4-Aminopyrrolopyrimidines as Kinase Inhibitors

the specification of which (check one)

☐ is attached hereto.

☒ was filed on September 17, 1999 as United States Application

Number or PCT International Application No. 09/399,083

and was amended on \_\_\_\_\_ (if applicable).

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<u>Prior Foreign Application(s)</u>			Priority Not Claimed	Certified Copy Filed?	
				YES	NO
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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(Application Number)

September 18, 1998  
(Filing Date)

60/100,834  
(Application Number)

September 18, 1998  
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As a named inventor, I hereby appoint the attorneys and/or agents associated with  
**Hamilton, Brook, Smith & Reynolds, P.C., Two Militia Drive, Lexington, Massachusetts 02421-4799**  
**Customer No.-21005,**

and John D. Conway Registration Number: 39,105,

to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Please send correspondence to: ☐ Customer No. Noted Above  
or  
☒ Address below:

**Richard W. Wagner, Esq.**  
**HAMILTON, BROOK, SMITH & REYNOLDS, P.C.**  
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-----  
Full name of sole

or first inventor David Calderwood

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence 4 McCarthy Circle

Framingham, Massachusetts 01702

Citizenship Great Britain

Post Office Address Same  
-----

Full name of second joint

inventor, if any Lee Arnold

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence 216 Ruggles Street  
Westboro, Massachusetts 01581

Citizenship Canada

Post Office Address Same

Full name of third joint

inventor, if any Hormoz Mazdiyasni

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence 19 Old Farm Road  
Douglas, Massachusetts 01516

Citizenship United States

Post Office Address Same

Full name of fourth joint

inventor, if any Gavin C. Hirst

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence 112 Robert Road  
Marlboro, Massachusetts 01752

Citizenship Great Britain

Post Office Address Same

Full name of fifth joint

inventor, if any Bojuan B. Deng

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence 80 Stoney Hill Road  
Shrewsbury, MA 01545

Citizenship Peoples Republic of China

Post Office Address Same

Full name of sixth joint

inventor, if any David N. Johnston

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Citizenship Great Britain

Post Office Address Same

Full name of seventh joint

inventor, if any Paul Rafferty

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

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Citizenship Great Britain

Post Office Address Same

Full name of eighth joint

inventor, if any Rainer Munschauer

Inventor's Signature *Rainer Munschauer* Date 12/15/99

Residence Zepplinstr. 5

67435 Neustadt, Germany

Citizenship Germany

Post Office Address Same



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<u>60/100,954</u> (Application Number)	<u>September 18, 1998</u> (Filing Date)
<u>60/100,834</u> (Application Number)	<u>September 18, 1998</u> (Filing Date)

09/042,702	March 17, 1998	pending
(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)

and John D. Conway Registration Number: 39,105

to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

**Please send correspondence to:**    ☐ Customer No. Noted Above  
  or  
**☒ Address below:**

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**HAMILTON, BROOK, SMITH & REYNOLDS, P.C.**  
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Citizenship Peoples Republic of China

Post Office Address Same

Full name of sixth joint

inventor, if any David M. Johnston

Inventor's Signature  Date 15.12.99

Residence Pennyfoot Street

Nottingham NG1 1GF, England

Citizenship Great Britain

Post Office Address Same

Full name of seventh joint

inventor, if any Paul Rafferty

Inventor's Signature  Date 16.12.99

Residence Pennyfoot Street

Nottingham NG1 1GF, England

Citizenship Great Britain

Post Office Address Same

Full name of eighth joint

inventor, if any Gerald B. Tometki

Inventor's Signature  Date 15.12.99

Residence Pennyfoot Street

Nottingham NG1 1GF, England

Citizenship Great Britain

Post Office Address Same

Full name of eighth joint

inventor, if any Helen L. Twigger

Inventor's Signature  Date 09 Jan 2000

Residence Pennyfoot Street

Nottingham NG1 1GF, England

Citizenship Great Britain

Post Office Address Same

Full name of eighth joint

inventor, if any Rainer Munschauer

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

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67435 Neustadt, Germany

Citizenship Germany

Post Office Address Same